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MS PART NO.	ENGINEERING DRAWING NO.
MS52223-1	8736945

P. A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE <b>TANK, COMBAT, FULL TRACKED 105 MM GUN, M60A3 PASSIVE</b>
PROCUREMENT SPECIFICATION M6OPD-T-62221	SUPERSEDES:	

<b>MILITARY STANDARD</b>	
<b>MS52223(AT)</b>	
SHEET 1	OF 2

APPROVED 26 AUG 85 REVISED

VEHICLE CHARACTERISTICS

LIST OF EQUIPMENT:  
 BASIC ISSUE ITEMS 12270402  
 INTEGRAL COMPONENTS OF ITEMS 12270209  
 ADDITIONAL AUTHORIZED LIST 12270400  
 EXPENDABLE SUPPLIES AND MATERIALS LIST 12270211

VEHICLE INSTALLATION DRAWINGS:  
 CHASSIS ASSEMBLY 12270883  
 TURRET ASSEMBLY 9337883

SPECIFICATIONS:  
 VEHICLE SHIPMENT AND STORAGE SPEC MIL-T-45309

REFERENCE DOCUMENTS:  
 CHART, PRODUCTION LUBRICATION 11674298  
 DIAGRAM, STRAP 11674297  
 CHART, TORQUE 10940607  
 TRANSPORTABILITY CLEARANCE DIAGRAM 12251869  
 M60A3 PASSIVE IDF CONFIGURATION 12271002

WEIGHT:  
 FULLY EQUIPPED APPROX 114,000 LBS

ENGINE: AVDS-1790-2CA  
 V-12, COMPRESSION IGNITION, AIR COOLED  
 GROSS HP 750 BHP @ 2400 RPM

TRANSMISSION: CD-850-6A  
 CROSS DRIVE  
 2 SPEEDS FORWARD, 1 REVERSE

VEHICLE ACCESSORY KITS:  
 KIT, WATER FORDING, ARMY 11655621  
 KIT, WATER FORDING, USMC 11655662  
 KIT, DOZER 8750001

PERFORMANCE:  
 MAX VEHICLE SPEED 30 MPH  
 CRUISING RANGE APPROX 300 MI  
 602  
 MAX GRADE ABILITY ASCENDING 602  
 MAX GRADE ABILITY DESCENDING 602  
 MAX FORDING ABILITY WO/KIT 48 IN  
 VERTICAL OBSTACLE ABILITY 36 IN  
 MAX TRENCH WIDTH CROSSING 102 IN

ARMAMENT:  
 1 GUN, MACH, M240 TANK 7.62 MM  
 2 GUN, SUB MACH, M3A1 (US ARMY ONLY) 45 CAL  
 1 GUN, MACH M85 (CUPOLA TYPE) 50 CAL  
 1 GUN, 105 MM  
 1 RIFLE, M16A1 (USMC ONLY) 5.56 MM

AMMUNITION:  
 7.62 MM (MG) 5950 ROUNDS  
 CAL .45 (SMG) 360 ROUNDS  
 CAL 50 (MG) 940 ROUNDS  
 5.56 MM (RIFLE) (USMC ONLY) ROUNDS  
 105 MM 63 ROUNDS  
 GRENADES 8

CREW:  
 COMMANDER, DRIVER,  
 GUNNER, LOADER

COMMUNICATION EQUIPMENT:  
ARMY  
 OPTIONAL RADIOS AN/VRC-12  
 AN/VRC-46  
 AN/VRC-64  
 SUPPRESSOR INSTALLATION KIT SM-D-627931  
 INTERCOM AN/VIC-1  
USMC  
 RADIO AN/VRC-44  
 SUPPRESSOR INSTALLATION KIT SM-D-627931  
 INTERCOM AN/VIC-1  
 VOICE SECURITY UNIT TSEC/KY-38

NOTES:

1. DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
3. THIS VEHICLE SHALL BE IN ACCORDANCE WITH REFERENCED ENGINEERING DRAWINGS, COPIES WHICH MAY BE OBTAINED FROM: US ARMY-AUTOMOTIVE COMMAND, WARREN, MICH. 48397-5000.

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